

YUGOSLAVIA/Soil Science. Tillage. Malioration. Erosion.

J-4

Abs Jour : Ref Zhur - Biol., No 5, 1958, 20092

Author : Kalinich, Zhivko

Inst : -

Title : Conference on the Problem of Soil Erosion Control and the Regulation of Streams in Yugoslavia (18-20 October 1956).

Orig Pub : Shumarstvo, 1956, 9, No 11-12, 783-785.

Abstract : No abstract.

Card 1/1

END  
- 19 -

ZHIVKOV, D.

"The best coefficient of water-power electric plants.

p. 9 (Elektroenergiia, Vol. 8, no. 11/12, Nov./Dec. 1957

Monthly Index of East European Accessions (EEAI) LC, Vol. 7, No. 6  
June 1958.

BOGATEV, K., dots. inzh.; ZHIVKOV, D., inzh.; ZHELEV, Iv., inzh.

Computing the dynamic stability of a complex electric system  
with the aid of static electric model. Elektroenergiia 13 no.1:  
3-8 Ja '62.

ZHIVKOV, E.S.; ARGIROV, D.K.

Effect of adrenalin on ocular pressure in sympathectomized animals.  
(CML 25:1)  
Khirurgia, Sofia 6 no.4:228-233 1953.

1. Senior Assistants. 2. Eye Clinic (Head — Docent D. Danailov). V.  
Chervenkov Medical Academy, Sofia.

"APPROVED FOR RELEASE: 07/19/2001

CIA-RDP86-00513R002064820020-7

APPROVED FOR RELEASE: 07/19/2001

CIA-RDP86-00513R002064820020-7"

ZHIVKOV, B.S., st asistent

Experiences with conditioned reflex improvement of the visual field following inhalation of oxygen and air. Khirurgiia 7 no.2: 88-93 1954.

1. Meditsinska akademii V. Chervenkov, Sofia. Ochna klinika.  
Direktor: dots. D. Danilov.

(VISION,

\*field, eff. of oxygen inhalation, conditioned reflex action)

(OXYGEN, effects,

\*on visual field, conditioned reflex action)

(REFLEX, CONDITIONED,

\*reflex improvement of visual field after oxygen inhalation)

ZHIVKOV, Evg.: ZAIMOV, K.: BANKOV, P.-krushochnik

Reactivity of the pupils and ocular pressure in schizophrenia treated with insulin. Suvrem.med. Sofia no.6:24-29 '55.

1. Iz Ochnata klinika (direktor: dots. Danilov) i Nervnata Klinika (direktor: prof. G. Usunov) pri Viashia meditsinski, institut V. Chervenkov-Sofia.

(SHOCK THERAPY, INSULIN, in various diseases, schizophrenia, eff. on pupils & ocular tension)

(SCHIZOPHRENIA, therapy, insulin shock, eff. on pupils & ocular tension)

(PUPILS, physiology, eff. of insulin shock ther. of schizophrenia)

(EYE, tension, eff. of insulin shock ther. of schizophrenia)



ZHIVKOV, E.

Case of choroideremia observed in Bulgaria. Khirurgia, Sofia  
8 no.2:174-176 1955.

(CHOROID, abnormalities,  
choroideremia)

(ABNORMALITIES,  
choroideremia)



ZHIVKOV, E.

Case of retrolental fibroplasia. Kirurglia, Sofia 8 no.9:845-847  
1955.

(RETROLENTAL FIBROPLASIA, case reports,  
(Bul))

EXCERPTA MEDICA Sec.12 Vol.11/9 Ophthalmology Sept 57

1520. ZHIVKOV E., ARGIROV D. and BANKOV P. Dept. of Ophthalmol., High Med.Inst., Sophia. \* Influence of adrenaline and pilocarpine on intraocular tension and pupillary diameter in ergotaminized rabbits ANN.REP.HIGH MED.INST. 1956, 2/2 (49-61)  
Graphs 8

During treatment of glaucoma with adrenaline (I) and pilocarpine (II) the intra-

1520

CONT

ocular tension and pupil diameter show different phase reactions during the different stages of glaucoma. 66 experiments were carried out on 10 rabbits. The 10 control experiments confirmed the known pupil dilatation and fall of intraocular tension after ergotamine (III) (0.00075 g./kg. i. m.). When a 0.1% solution of I was instilled into one eye of a rabbit pretreated with III, the pupil of this eye was dilated more than that of the other eye, as seen after a stronger (1%) solution of I (in 5 of 7 experiments), this is regarded as a paradoxical reaction. In the same experiments the intraocular tension remained high instead of being lowered; this is regarded as an inverted reaction (3 of 7 experiments). In 5 III-treated rabbits the instillation of a 1:5,000 solution of I into the right eye led to pupil dilation, in comparison with the left eye, corresponding to that produced by a stronger (1%) solution of I (paradoxical reaction). In the other 5 rabbits of the same test group, 1:5,000 I led to constriction of the pupil in comparison with the untreated left eye (inverted reaction). In 3 of 9 rabbits pretreated with III, instillation of 0.1% solution of II into the right eye produced an increased miotic effect (paradoxical reaction). In 8 of 10 III-treated rabbits the instillation of a 1:5,000 solution of II into the right eye led to a degree of pupil dilatation surpassing that produced by III alone in the left eye (inverted reaction) (49 references).

Popov - Sofia (II, 12)

671700, E.

ZHIVKOV, E.; BENINSKI, V.

Experience with control of trachoma in Korea. Khirurgia, Sofia 10  
no.1:60-68 1957.

1. Nashiat opit v borbata s trachomata v Koreia.  
(TRACHOMA, prevention and control,  
in Korea (Bul))

ZHIVKOV, B.; ANDREVA, M.

Elastotonometry of normal eyes, treated with 1% homatropine solution with reference to early diagnosis of dysfunction related to regulation of eye pressure. Zhurnal, Sofia 10 no.6:498-503 1957.

1. Vnesh meditsinski institut -- Sofia katedra po oftalmologiya.  
(BELLADONNA ALKALOIDS, eff.

homatropine on intraocular pressure, value in diag.  
of dysfunct. by elastotonometry (Bul))

(INTRAOCULAR PRESSURE, eff. of drugs on  
homatropine, value in diag. of dysfunct. by  
elastotonometry (Bul))

ZHIVKOV, E.

Changes in the perimeter and adaptation under the influence of quinine in certain eye diseases. Nauch. tr. vissh. med. inst. Sofia 9 no.4: 283-291 '59.

1. Predstavena ot dots. E. Zhivkov, zav. Katedrata po ochni bolesti.

(ADAPTATION OCULAR pharmacol) (QUININE pharmacol)  
(OPHTHALMOLOGY ther)

ZHIVKOV, E.; BANKOV, P.

Kimmelstil-Wilson syndrome with rubeosis iridis diabetica and increased ophthalmotomus. Nauch. tr. vissh. med. inst. Sofia 9 no.4:293-300 '59.

1. Predstavena ot dots. E. Zhivkov, zav. Katedrata po ochni bolesti.

(KIMMELSTIL-WILSON SYNDROME compl)  
(EYE dis) (INTRAOCULAR PRESSURE)



ZHIVKOV, E.; GOLEMINOVA, R.; KOVACHEVA, V.

Early functional changes in the vascular system of the eye in human silicosis. Nauch. tr. vissh. med. inst. Sofia 9 no.4:321-328 '59.

1. Predstavena ot dots. E. Zhivkov, zav. Katedrata po ochni bolesti.

(SILICOSIS physiol) (EYE blood supply)

ZHIVKOV, E.; ANDREEVA, M.

Inhibiting effect of certain substances during the appearance and development of alloxan cataract in white rats. Nauch. tr. vissh. med. inst. Sofia 9 no.4:301-309 '59.

1. Predstavena ot dots. E. Zhivkov, zav. Katedrata po ochni bolesti.

(VITAMIN B2 pharmacol) (CATARACT exper)  
(ALLOXAN toxicol)

ZHIVKOV, E., PIPERKOVA, S.

Tonography in glaucoma patients after the administration of ganglion blocking agents. Nauch. tr. vish. med. inst. Sofia 9 no.4:311-320 '59.

1. Predstavena ot dots. E. Zhivkov, sav. Katedrata po ochni bolesti.

(GLAUCOMA physiol) (AUTONOMIC DRUGS pharmacol)  
(PHENOTHIAZINES pharmacol)

ZHIVKOV, Evg., dots.

A case of double papilla of the optic nerve. Khirurgia, Sofia 14  
no.8:691-694 '61.

1. Visssh meditsinski institut, Sofia. Katedra po ochni bolesti.  
Zav. katedrata: E. Zhivkov.

(OPTIC NERVE abnorm)

ALADZHOV, St.G.; ZHIVKOV, E.S.; PENOV, G.

Our experience with clinical electroretinography. Nachh. tr.  
vissh. med. inst. Sofia 42 no.4:91-95 '63

1. Aus der Universitätsaugenklinik (Direktor: Doz. E. Zhivkov)  
und dem Physiologischen Institut (Direktor: Prof. T. Gotzev)  
des Medizinischen Institutes in Sofia.

\*

ZHIVKOV, E.S.

Role of ophthalmologists in health services for the population  
in Bulgaria. Suvr. med. (Sofia) 16 no.7:427-430 '65.

1. Katedra po ochni bolesti (rukovoditel - prof. E. Zhivkov),  
Visshi meditsinski institut, Sofia.

ZHIVKOV, E.S.; ZHELIAZKOV, D.; ABADZHIEVA-ANDREEVA, M.

The anticataractogenic effect of certain substances containing mercaptopurine-unithiol and potassium ethylxanthogenate. Nauch. tr. vissh. med. inst. Sofia 41 no.2:71-79 '62.

1. Predstavena ot dots. E. Zhivkov.  
(DIMERCAPIROL) (MERCAPTOPURINE) (CATARACT)



ZHIVKOV, V.I.

Free nucleotides in the leg and sternal muscles of chickens. Dokl.  
AN SSSR 149 no.2:453-455 Mr '63. (MIRA 16:3)

1. Institut sravnitel'noy patologii zhivotnykh Bolgarskoy akademii  
nauk.

(Nucleotides) (Muscle)

ZHIVKOV, V.I.

Adenine nucleotides in the spermatozoa of the ram, boar, and stallion. Ukr.biokhim.zhur. 34 no.1:86-94 '62. (MIRA 17:5)

1. Institute of Comparative Pathology of Domestic Animals of the Bulgarian Academy of Sciences, Sofia.

ZHIVKOV, Ye.S.

Campimetric examinations innutritional dystrophy. Vest.off. 69  
no.4:40-41 J1-Ag '56. (MIRA 10:9)

1. Starshiy assistant glaznoy kliniki Sofiyskoy meditsinskoy  
akademii (Bolgariya)

(VISION

field exam. in nutritional dystrophy with retinal edema)  
(NUTRITION DISORDERS, compl.

retinal edema, vision field exam. )

(RETINA, dis.

edema, caused by nutrition disord., vision field exam.)

(EDEMA,

retinal, caused by nutrition disord., vision field exam.)

ZHIVKOV, Ye.; TEOKHAROV, B. (Pkhon'yan)

Clinical & pathological aspects of retinal edema in nutritional dystrophy [with summary in English]. Arkh.pat. 20 no.2:71-76 '58.  
(MIRA 11:4)

1. Iz glaznogo otdeleniya (zav. Ye.Zhivkov) i patologoanatomicheskogo otdeleniya (zav. B.Teokharov) Bol'nitsy Sev. Pkhon'yan (gospital' Bolgarskogo Krasnogo Kresta, glavnyy vrach - d-r Gerasim Mitrov)  
(RETINA, dis.

edema in nutritional dystrophy, clin. & histol. pathol.)

(NUTRITION DISORDERS, pathol.

retinal edema, clin. & histol. pathol. (Rus))

*ZHIVKOV, M.*  
BULGARIA/Chemical Technology. Chemical Products and Their Application. Food Industry.

H-28

Abs Jour: Referat Zhur-Khimiya, No 5, 1958, 15986.

Author : Zhiykov M., Boyadzhiev R.

Inst :

Title : Preparation of Dry Food Concentrates.

Orig Pub: Leka promishlenost, 1956, No 10, 18-22.

Abstract: Pilot plant experiments were conducted on the preparation of dry food concentrates (soups) and the corresponding laboratory investigations of the finished products (determination of moisture content, ash, fats, proteins, carbohydrates, acidity, NaCl, cellulose). The necessity of establishing this branch of the food industry in Bulgaria is discussed. Diagrams of the units are shown and their operation is described; a proposed flowsheet of the process is included.

Card : 1/1

ZHIVKOV, M.

"Chemical purification of acetylene gas in oxyacetylene welding."

p. 13 (Ratsionalizatsiia, Vol. 7, no 11, Oct. 1957, Sofia, Bulgaria.)

Monthly Index of East European Accessions (EEAI) LC, Vol. 7, No. 6, June 1958.

ZHIVKOV, M.; BOIADZHIEV, R.

ZHIVKOV, M.; BOIADZHIEV, R. Production of concentrated dry food. p. 18.

Vol. 5, No. 10, 1956

LEKA PROMISHLENOST.

TECHNOLOGY

Sofia, Bulgaria

So: East European Accession, Vol. 6, No. 3, March 1957

ZHIVKOV, S.; KIROV, K.; ABADJIEV, M.

Chromosome abnormalities in a patient suffering from Huntington's chorea. Dokl. Bolg. akad. nauk 18 no.4:389-392 '65.

1. Submitted on December 5, 1964.



L 15603-66 RH

ACC NR: AP6008222

SOURCE CODE: BU/0011/65/018/004/0389/0392

AUTHOR: Zhivkov, S.; Kirov, K.; Abadjiev, M.

ORG: Department of Biology, Higher Medical Institute; Department of Nervous Diseases, Post-Graduate Medical Institute

26  
B

TITLE: Chromosome abnormalities in a patient suffering from Huntington's chorea

SOURCE: Bulgarska akademiya na naukite. Doklady, v. 18, no. 4, 1965, 389-392

TOPIC TAGS: human genetics, heredity, nervous system disease, neurology, man, cytology

ABSTRACT:

Huntington's chorea is a hereditary disease handed down in a dominant manner. Since no data exist in the literature concerning the cytogenetic investigations of this disease, the authors are publishing the results of a chromosome analysis of one 50-year-old male patient whose diagnosis was supported by the fact that the brother of the patient's father is suffering from chorea, too. The cytogenic investigation was carried out on metaphase chromosomes of dividing leucocytes of the

Card 1/2

L 15603-56  
ACC NR: AP6008222

patient's peripheral blood, cultivated by Moorhead's method as modified by Jungklaus (Dtsch. med. Wochenschr., 1963, 1200, 4). However, after presenting their results, the authors note that chromosome aberrations of the type described affecting group 6-12 have been observed by some authors, though rarely (N. P. Bishun et al., Lancet I, 1964, 936; R. H. Heller, Ibid., 1964, No 2, 481; J. Ruffie et al., Nouv. rev. fr., d'Hematol, 1964, 551). This fact as well as the isolated character of the present observation do not, as yet, furnish sufficient grounds for an assertion that the chromosome abnormalities described are specific for the disease and still less that they determine its appearance or development. The paper was submitted by K. Bratanov, Corresponding Member Bulgarian Academy of Sciences, 5 December 1964. Orig. art. has 6 figures.

[JMS]

SUB CODE: 06 / SUBM DATE: none / OTH REF: 005

SB

Card 2/2

TSONEVA-MANEVA, M.T.; PETROV, B.G.; ZHIVKOV, S.; KIROV, K.I.

Studies on the normal karyotype of Bulgarian subjects.  
Suvr. med. (Sofia) 16 no.2:81-87 '65.

1. VMI, Sofia, Katedra po obshta biologiya (rukovoditel:  
prof. R.P. Popivanov) i VMI, Varna, Katedra po obshta  
biologiya (rukovoditel: dots. M.T. Tsoneva-Maneva).

ZHIVKOV, T.

The Wind as Source of Energy and A New Method of Its Utilization.  
Elektroenergiya (Electric Power), #10:10:Oct 55, Bulg. Publ.

ZHIVKOV, Todor.

[To new triumphs of cooperation in rural areas, for improvement in agriculture, for raising production and lowering cost of agricultural products; report to the 5th conference of cooperative agriculture workers, December 2, 1957. Model statutes of an agricultural cooperative] K novym pobedam kooperativnogo stroia v derevne, za povyshenie kul'tury zemledeliia, za uvelichenie i udashevlenie proizvodstva sel'skokhoziaistvennoi produktsii; doklad na V konferentsii TKZKh 2 dekabria 1957 goda. Primernyi ustav trudovogo kooperativnogo zemledel'cheskogo khoziaistva. Moskva, Gos. izd-vo polit. lit-ry, 1958. 94 p. (MIRA 11:10)

1. Pervyy sekretar' Tsentral'nogo komiteta Bolgarskoy kommunisticheskoy partii. (for Zhivkov).

(Bulgaria—Agriculture, Cooperative)

ZHIVKOV, TS.; ANKOV, D.

ZHIVKOV, TS.; ANKOV, D. Methods for restoring motor parts. p. 28.

Vol. 7, No. 9, Sept. 1956.

MASHINIZIRANO ZEMEDELIE

AGRICULTURE

Sofia, Bulgaria

So: East European Accession, Vol. 6, No. 2, February 1957

ZHIVKOV, VL.

BULGARIA/Human and Animal Physiology - Metabolism.

V-2

Abs Jour : Ref Zhur - Biol., No 4, 1958, 17961

Author : VL. Zhivkov

Inst : The Institute of Experimental Veterinary Medicine of the Bulgarian Academy of Sciences.

Title : The Inorganic Phosphorus Content of Beef Plasma.

Orig Pub : Izv. In-ta eksperim. vet. med. B'lg. AN, 1956, 137-143

Abstract : The inorganic P content of the blood of calves up to 3 months of age amounts to 7.6 mg%; that of calves 3 to 6 months of age amounts to 6.5 mg%. In cows the blood phosphorus content is reduced to 4.8 mg%. The fluctuations in blood phosphorus content (3.3 to 5.8 mg%) seen in cattle from different collective farms depend chiefly on the composition of the fodder.

Card 1/1



ZHIVKOV, V.I.

Paper chromatographic determination of acid-soluble nucleotides in the oviduct of hens. Biokhimiia 30 no.2:255-259 Mr-Apr '65. (MIRA 18:7)

1. Sektsiya biokhimi Institute sravnitel'noy patologii zhivotnykh Bolgarskoy Akademii nauk, Sofiya.

ZHIVKOV, V.; KARAMOUCHEVA, L.

On the composition and content of acid-soluble nucleotides in the kidney of rats. Doklady DAN 17 no.12:1115-1116 '64.

1. Institute of Comparative Pathology of Animals of the Bulgarian Academy of Sciences, Sofia. Submitted July 29, 1964.

ZHIVKOV, V.I.

Sugars in the seminal plasma of the bull, ram, and stallion.  
Ukr. biokhim. zhur. 33 no.2:168-174 '61. (MIRA 14:4)

1. Institut sravnitel'noy patologii domashnikh zhivotnykh Bolgarskoy  
Akademii nauk. (SUGARS) (SEMEN)

**"APPROVED FOR RELEASE: 07/19/2001**

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"APPROVED FOR RELEASE: 07/19/2001

CIA-RDP86-00513R002064820020-7

APPROVED FOR RELEASE: 07/19/2001

CIA-RDP86-00513R002064820020-7"

ZHIVKOV, V.I.

In vivo effect of 2,4-dinitrophenol on the content of acid-soluble nucleotides of guinea pig liver and muscles. Biokhimiia (MIRA 18:10)  
30 no.5:1027-1031 S-O '65.

1. Seksialya biokhimiia Instituta sravnitel'noy patologii zhivotnykh Bolgarskoy Akademii nauk, Sofiya.

ZHIVKOV, Yev. S.

The eye in some internal diseases. Suvr. med. (Sofia) 15 no.11:  
35-47 '64.

Zhivkova, R.

The Georgian Soviet Socialist Republic, the garden of the South. p.24

GEOGRAFIIA. Vol. 6, No. 4, 1956

Sofya, Bulgaria

So. East European Accessions List

Vol. 5, No. 9

September, 1956



ZHIVKOV, T.

Wind as a source of power; new method for its utilization. p. 10.

Vol. 6, no. 10, Oct. 1955  
ELEKTROENERGIJA  
Sofiya, Bulgaria

So: Eastern European Accession Vol. 5 No. 4 April 1956

ZHIVKOV, Ye.S.

Oculocardiac reflex in pregnancy, in labor, and in gynecological  
patients. Akush. i gin. 36 no.2:65-66 Mr-Apr '60. (MIRA 13:12)  
(PREGNANCY) (LABOR) (HEART) (EYE)

ZHIVKOV, Ye.S.

Case of neuroretinopathy and polyn neuritis following ultraseptil therapy. Med. letopisi 42 no.5-6:569-572 May-June 50. (CLML 20:7)

1. Dr. Yevgeniy S. Zhivkov, Assistant. 2. Eye Clinic, Sofia Medical Academy.

ZHIVKOVA, L., inzh.; CHAL'OVSKA, Sl., inzh.; RADEVA, M., inzh.

Shoe machines and conveyors. Kozhi Sofia 4 no. 8: 20  
163.

KADANOV, D., d-r, prof.; ZHIVKOVA, L., inzh.; MUTAFOV, St., d-r.

Distribution of soles according to their measurements and the correlation between their individual measuring elements. Kozhi Sofia 4 no.5/6:8-9, 10 '63.

1. Chl. kor. na Bulgarskata akademiia na naukite (for Kadanov)

KADANOV, D., prof. d-r; ZHIVKOVA, L., inzh.; MUTAFOV, St., d-r

From the sole to the last, Kozhi Sofia 4 no, 8: 6-8  
163.

KADANOV, D., prof. d-r; MUTAFOV, St., d-r; ZHIVKOVA, L., inzh.

Types and subtypes of the soles of Bulgarian people.  
Kozhi Sofia 4 no.3:3-6 '63.

DERKACH, V.P., kand.tekhn.nauk; ZHIVKOVA, T.P.; KORSUNSKIY, V.M.

Electroluminescent matrix for photographic recording of images  
evolved from electronic computers. Avtom. i prib. no. 1:28-31  
Ja-Mr '64. (MIRA 17:5)



ACCESSION NR: AP4020313

S/0302/64/000/001/0028/0031

AUTHOR: Derkach, V. P. (Candidate of technical sciences); Zhivkova, T. P.;  
Korsunskiy, V. M.; Oreshkevich, A. I.

TITLE: Luminescent matrix for photorecording images produced by electronic  
computers

SOURCE: Avtomatika i priborostroyeniye, no. 1, 1964, 28-31

TOPIC TAGS: luminescent matrix, computer, computer output, computer output  
photorecording, EL-510 phosphor, EL-460 phosphor

ABSTRACT: Experiments with recording the output information of computers on  
luminescent 256x256-element plates ("matrices") and photographing it are  
described. Each element is 0.5x0.5 mm, and the distance between elements is  
0.5 mm. A line-by-line exposure is used to ensure higher speed and contrast of  
the plates coated with EL-510 (green) and EL-460 (blue) phosphors.

Card 1/37

ACCESSION NR: AP4020313

Characteristic curves for two types of film are given. Symbol formation as shown in Enclosure 1 permits a recording rate of 700 symbols per sec; 21 lines, 40 symbols in each line, are used. The same plates permit the recording of drawings, sketches, etc. A nonlinear-resistance powder based on CdS can be used to increase the contrast of the plates. It is claimed that a plate treated with this powder can ensure a recording rate of 10,000 symbols/sec. Orig. art. has: 5 figures, 7 formulas, and 1 table.

ASSOCIATION: Institut kibernetiki AN UkrSSR (Institute of Cybernetics, AN UkrSSR)

SUBMITTED: 00

DATE ACQ: 31Mar64

ENCL: 01

SUB CODE: CP

NO REF SOV: 001

OTHER: 000

Card 2/3

YUGOSLAVIA/Analytical Chemistry - Analysis of Organic Substances

Abs Jour : Ref Zhur

APPROVED FOR RELEASE: 07/19/2001

CIA-RDP86-00513R002064820020-7

Author : Vukchevich-Kovachevich, Zhivkovich  
Inst : Not Given

Title : The Analysis of Adrenaline Mixtures or the Hydrochlorides of Adrenaline and Procaine by Filtration Chromatography.

Orig Pub : Acta pharmac. jugosl., 1956, 6, No 3-4, 237-241

Abstract : The separation of adrenaline (I) or adrenaline HCl (II) and procaine HCl (III) has been achieved by the method of filtration chromatography. The ratio of the components may be I:1000, the concentration of I or II in 0.005 ml is mixed solution containing 1-2% of I or II in 0.005 ml is mixed with 0.05-0.1 ml of a 15% NaOH solution and passed through a small filter. The tip of the filter is brought in contact with the starting line of a filter paper strip for as long as it takes for the spot to attain a diameter of ~1 cm. After drying, the chromatogram is run by ascending chromatography for 20-30 min. with 95% C<sub>2</sub>H<sub>5</sub>OH. I (or II) remains on the starting line, III is displaced by the solvent front. The

Card

: 1/2

Country	: YUGOSLAVIA	F
Category	: Microbiology-Microbes Pathogenic for Man and Animal	
Absl Jour	: Ref Zhur - Biol., No. 19, 1957, 66195	
Author	: Shirkovich, B.; Samich, M.	
Institut.	: -	
Title	: The Distribution and Excretion of Shigella from Bacterial Carriers in Antisanitary Population Centers	
Orig Pub.	: Glasnik Knig. In-ta, 1956, Vol. 5, No. 4, 31-38	
Abstract	: no abstract	

Card: 1/1

ADAMENKO, V.N.; ZHIVKOVICH, L.A.

Climate prognosis and the evolution of glaciation in the Urals.  
Vest. Mosk. un. Ser. 5: Geog. 18 no.3:45-50 My-Je '63.

(MIRA 16:6)

1. Kafedra klimatologii i meteorologii i kafedra gidrologii  
Moskovskogo universiteta.

(Arctic regions—Climate) (Ural Mountains—Glaciers)

KOSTICH, Petur; ZHIVKOVICH, Zneiko.

Our experience and results in the management of controlled labor. Akush. ginek. (Sofia) 4 no.1:53-58 '65.

1. Akushero-ginekologichna bolnitsa, Belgrad; baza na Belgradskia meditsinski fakultet. (Nashalnik: Petur Kostich).

N.F.ZHIVOV

**AUTHOR:** Melamov, N.  
**TITLE:** Combating Sudden Ejections of Coal and Gas From Coal Mines (Bor'ba s vnezapnoi vyboisoi uglya i gaza v ugol'nykh shakhtakh) (Conference at the Institute of Mining of the A.S.S.R. USSR) (Sovetskii nauchnyi institut gornogo deli Akademii nauk SSSR)

**ABSTRACT:** Investitsiya Akademii Nauk, SSSR; Otdeleniye Tekhnicheskikh Nauk, 1958, Nr. 4, pp 155 - 156 (USSR)

On February 17 - 21, a conference was held at the Institute of Mining of the A.S.S.R. (USSR) on the results and prospects of research work on combating sudden ejections of coal and gas and coal explosions in mines. Members of the Central Commission for combating sudden ejections of coal and gas, representatives of scientific research and project institutes and of higher teaching establishments participated in the conference. After a brief opening speech by Academician W.I. Smolin, the following subjects were read at the conference: "Investigation of the Conditions in the Field of Application of Local Methods of Preventing

Sudden Ejections of Coal and Gas in Preparatory workings and in driving (V.K. Dobot); "Development of a Combination of Measures for Safe Mining of Coal in Stopes in Unprotected Zones of Seams Which are Dangerous From the Point of View of Sudden Ejections of Coal and Gas" (K.M. Krivobok); "Finding a Safe and Productive System of Working Individual Steeply Sloping Seams Which Have an Inclination to Develop Sudden Ejections of Coal and Gas" (B.S. Lokshin); "Finding an Effective System of Working Thin Seams for the Purpose of Utilizing them as Protective Seams" (B.S. Lokshin); "System of Working in the Preparatory zone of the 1st. Area tract of Individual Seams" (V.K. Dobot); "Position of Working in the Preparatory zone of the 2nd. Area tract of Individual Seams" (V.K. Dobot); "Safe and Effective Methods of Working Coal Seams of the Tchernomorskiy deposits Which are Dangerous From the Point of View of Sudden Ejections of Coal and Gas" (D.F. Borisev); "Investigation of the Tendency to Ejections of Coal of the Mathematically

Approximate and Justification of Rational Methods of Mining Thin Coal (I.K. Sidorenko); "Method of Detection of Ejections Which are Dangerous as Regards Sudden Ejections in Seams of the Tchernomorskiy mining region" (O.I. Chernov); "Development of Geophysical Methods and Apparatus for Establishing and Studying the Runners of Sudden Ejections of Coal and Gas" (V.G. Artyukhin); "Results of Scientific Investigations on the Problem of Combating Rocks in Coal Mines During 1957" (I.G. Artyukhin); "On the State of Designing and Testing Drilling Machines and Equipment for Peeling the Walls of Ejections of Coal and Gas" (K.B. Irgum); "On the Results of the Research Work on the Problem of Combating Sudden Ejections of Coal and Gas" (K.B. Irgum). One of the participants in the conference concluded that in 1957 progress was achieved in the theory of sudden ejections of coal and gas.

Some of the interesting items discussed at the conference are briefly summarized.

ZHIVLYUK, YU. N. & FRANTSEVICH, L.I. (Kiev)

"The Form of 'Dose-Reaction' Correlation"

Report presented at the 3rd Conference on the use of Mathematics in Biology,  
Leningrad University, 23-28 Jan. 1961.

(Primeneniye matematicheskikh Metodov v Biologii. II, Leningrad, 1963 pp. 5-11)

ZHIVLYUK, Yu.N.; FRANTSEVICH, L.I.

Mode of the "Gala-reaction" interdependence. Prim. mat.  
metod. v biol. no.2:202-205 '63. (MIRA 16:11)



ZHIVLYUK, Yu.N.

Calculation of the polarizability of molecules within the framework  
of a metallic model. Opt. i spektr. 8 no.3:421-423 Mr '60.

(MIRA 14:5)

(Polarization (Electricity))

TIMOFEYEVA, L.A.; ZHOVTYY, I.P.; NEKIPELOV, N.V.; BUSOYEDOVA, N.M.;  
GOLOVACHEVA, V.Ya.; DUBOVIK, I.M.; DUBOVIK, V.I.; ZHIVOLYAPINA,  
R.R.; LEONT'YEV, A.N.; PETUKHOVA, O.I.; TIMOFEYVA, A.A.; SHVEDKO, L.P.

Search for plague and other epizootic diseases in Transbaikalian  
plague focus. Report No.2. Izv.Irk.gos.nauch.--issl.protivochum.  
inst. 15:3-17 '57. (MIRA 13:7)

(TRANSBAIKALIA--RODENTIA--DISEASES AND PESTS)

TIMOFEYeva, L.A.; ZHIVOLYAPINA, R.R.

Case of isolation of B. paratyphi from the Siberian marmot.  
Izv.Irk.gos.nauch.-issl.protivochum.inst. 14:26-27 '57.

(MIRA 13:7)

(RODENTS AS CARRIERS OF DISEASE) (PARATYPHOID FEVER)

ZHIVLYUK, N.A., inzh.; LEBEDEV, N.A., inzh.

Establishing assignments by sets and units for machine shops.  
Mashinostroenie no.1:23-27 Ja-F '62. (MIRA 15:2)

1. Luganskiy proyektno-tekhnologicheskii institut.  
(Factory management)

ZHIVLYUK, Yu.N.; MANDEL'SHTAM, S.L.

Temperature of lightning and force of thunder. Zhur. eksp.  
i teor. fiz. 40 no.2:483-487 F '61. (MIRA 14:7)

1. Fizicheskiy institut im. P.N. Lebedeva AN SSSR.  
(Lightning) (Thunderstorms).

GUREVICH, A.V. & ZHIVLYUK, Yu.N.

Run-away electrons in a nonequilibrium plasma. Zhur. eksp. i teor. fiz.  
49 no.1:214-224. J1 '65. (MIRA 18:8)

1. Komissiya po spektroskopii AN SSSR.

6.9419

24.2120 (1049, 1482, 1502, 1532)

20157

S/056/61/040/002/016/047  
B102/B202

AUTHORS: Zhivlyuk, Yu. N., Mandel'shtam, S. L.

TITLE: Lightning temperature and thunder power

PERIODICAL: Zhurnal eksperimental'noy i teoreticheskoy fiziki, v. 40,  
no. 2, 1961, 483-487

TEXT: The authors present preliminary results of spectroscopic temperature measurements in the lightning channel in the high-current stage, and of calculations of the pressure at the front of the shock wave produced by the lightning. The conditions of channel formation and the condition of the plasma herein were first studied in spark discharges on air in the laboratory. In such experiments, the electron concentration in the spark plasma is mostly  $N_e \approx 10^{17} \text{ cm}^{-3}$ ; the atoms and ions are in Boltzmann excitation distribution which is conserved for about  $10^{-7}$  sec; the plasma radiates according to Kirchhoff's law practically during the entire time of its existence. During  $\sim 10^{-6}$  sec the gas temperature is equal to the electron temperature  $T_e = T_i = T$  so that the gas temperature is obtained when the tempera-

Card 1/6

20457

S/056/61/040/002/016/047  
B102/B202

V

Lightning temperature ...

ture is spectroscopically determined from the atomic lines. These results are also applicable to lightnings since in the lightning channel (according to estimations of the  $H_\alpha$  and  $H_\beta$  line widths) the electron concentration is of the same order of magnitude. The authors then give estimations of the optical density of the plasma for various parts of the line  $NH3995 \text{ \AA}$ , which are also discussed. The results for  $T \sim 2 \cdot 10^4 \text{ K}$ ,  $\lambda \sim 4000 \text{ \AA}$ , channel diameter  $l = 10 \text{ cm}$ , and  $N \sim 10^{17} \text{ cm}^{-3}$  are given in Table 1;  $k_\omega$  is the absorption coefficient of the plasma for the frequency  $\omega$ ; it is determined by the intensity law of the spectral line  $I(\omega) = I_0(\omega)(1 - e^{-k_\omega l})$ , and by

$$k_\omega = k_0 \frac{\alpha}{\pi} \int_{-\infty}^{+\infty} \frac{\exp(-y^2)}{\alpha^2 + (\nu - y)^2} dy, \quad (2)$$

$$\nu_0 = (2\pi^2/mc) (N/\Delta\omega_0), \quad \nu = 2(\omega - \omega_0)/\Delta\omega_0.$$

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Lightning temperature....

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S/056/61/040/002/016/047  
B102/B202

$I_0(\omega)$  is the radiation intensity of a black body having the same temperature as the channel. The authors took pictures of lightning spectra by night, by means of the spectrographs  $\zeta\eta$ -48 (SP-48) and  $\zeta\eta$ -49 (SP-49) (slit width 0.1 mm). They used Panchrom-X and "D" (D)-type films. To until a blackening of S=0.2 was attained. Thus, sensitivity could be increased by 3-4 times. The film was then photometrically recorded by a microphotometer of the type M $\zeta$ -4 (MF-4). Altogether, 9 spectrograms were evaluated (about 100 lines). Most of the lines belonged to neutral or singly-ionized O or N atoms; the lines 5600, 5471, 4542 and 4058 Å can be ascribed to OIII, OV or NIII; also N $_2^+$  band edges and an intense continuous spectrum were found. About 50% of all lines were observed for the first time. The channel temperature was calculated from various lines; results are given in Table 2. The diverging values are due to errors in measurement. The mean temperature value in the channel, 21,000°K, is in good agreement with the results obtained by S. I. Braginskiy by the hydrodynamic

Card 3/6

Lightning temperature....

20.57  
S/056/61/040/002/016/047  
B102/B202

theory:  $T = 4.35 \rho_0^{1/14} (Jt^{-3/4})^{2/7}$ . Here,  $\rho_0$  is taken in the unit  $1.29 \cdot 10^{-3} \text{ g/cm}^3$ ,  $J$  in ka,  $t$  in  $\mu\text{sec}$  and  $T$  in ev. This theory is then used to calculate the radius of the lightning channels, the speed of the shock wave front, and the front pressure of the shock wave. The following values are obtained:  $r = 1.11 \eta^{1/4} \rho_0^{5/56} J^{5/14} t^{13/56}$ ,

$a = 5.55 \cdot 10^5 \rho_0^{1/4} J^{5/56} t^{-43/56}$ ;  $p_{\text{front}} = \frac{2\rho_0 a^2}{\gamma+1} - \frac{\gamma-1}{\gamma+1} p_0$ ;  $p_0$  - atmospheric pressure,  $\gamma$  - an energy ratio. The lightning spectra were taken at the Zvenigorodskaya stantsiya Instituta fiziki atmosfery AN SSSR (Zvenigorod Station of the Institute of Physics of the Atmosphere AS USSR) in summer 1958. The authors thank V. S. Prokudina for assistance, V. I. Krasovskiy for making possible their work at the station, and I. P. Tindo of the FIAN for assistance. A. A. Mak is mentioned. There are 3 tables and 10 references: 7 Soviet-bloc and 3 non-Soviet-bloc.

Card 4/6

20457

S/056/61/040/002/016/047  
B102/B202

Lightning temperature....

ASSOCIATION: Fizicheskiy institut im. P. N. Lebedeva Akademii nauk SSSR  
(Institute of Physics im. P. N. Lebedev Academy of Sciences USSR)

SUBMITTED: June 30, 1960

Таблица 1

Legend to Table 1: Distance from the center of the line in A.

Расстояние от центра линии $\Delta$	$\lambda, \text{Å}$				
	$\Delta \lambda_c (\text{Å})$ -0,05	0,1	0,15	0,5	2
0,00	104	70,5	65	31,5	8,2
0,08	55	51	45	27	8,2
0,16	11,8	17	19,6	18,4	6,1
0,23	8,8	9,2	10	11,8	5,9
0,31	2,7	2,9	5,2	8,4	5,7
0,38	1,0	2,1	3,5	6,1	5,5
0,45	0,9	1,3	2,1	4,4	5,2

Card 5/6

Lightning temperature....

Legend to Table 2: 1) Line in A,  
2) temperature in the spark  
channel in °K, 3) mean value

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B102/B202

Таблица 2

① Пара линия λ (Å)	Температура канала (°K.) по спектро- граммам ②				③ Среднее
	№ 1	№ 2	№ 3	№ 4	
NII 5045	20000	31000	23000	—	25000
NII 3995	18000	25000	17000	22000	20000
NII 5045	18000	25000	17000	22000	20000
NII 4447	14000	21000	—	—	18000
OII 3857	14000	21000	—	—	18000
③ Среднее 21000					

Card 6/6

ACCESSION NR: AT4025294

S/0000/63/000/000/0062/0067

AUTHOR: Zhivlyuk, Yu. N.

TITLE: Spectroscopic determination of the electron temperature of a plasma under weak electron runaway conditions

SOURCE: Diagnostika plazmy\* (Plasma diagnostics); sb. statey. Moscow, Gosatomizdat, 1963, 62-67

TOPIC TAGS: plasma temperature, plasma radiation, plasma conductivity, runaway electron, plasma electron temperature

ABSTRACT: The method is based on the definite connection existing between the level population and the average electron energy (inelastic collisions of the second kind between the electrons and the ions, and absorption of radiation, are neglected). The case of weak runaway of electrons in the electric field is considered, when the electron velocity distribution function is constant inside velocity-

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ACCESSION NR: AT4025294

space cylinder bounded by the upper and lower runaway boundaries. It is shown that even weak runaway of electrons causes the electron velocity distribution function to deviate from Maxwellian and result in incorrect values of the temperature. The limits within which Maxwellian distribution can still be employed are given. It is also shown that weak runaway of electrons does not influence the plasma conductivity. Orig. art. has: 3 formulas.

ASSOCIATION: None

SUBMITTED: 19Oct63

DATE ACQ: 16Apr64

ENCL: 00

SUB CODE: ME, EC

NR REF SOV: 004

OTHER: 002

Card 2/2

intensities

$$E > E_{\text{ex}} = \frac{17}{T_e} \left( \frac{M_0}{M_0} \right) \frac{Z}{Z-1} \frac{1}{1000}$$

where  $T_e$  is expressed in ev and  $Z$  is the atomic number of the target state is before state vary is  $1/2$  Card 1/2

$$q = \frac{M}{mZ^2 L} = \frac{M}{M_0 Z^2} \frac{1}{L}.$$

In this state the energy of the impurity ions is from one to three times greater than the mean energy of the electrons in the plasma. The energy of the impurity ions is also greater than the energy of the protons. There are 3 figures.

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"APPROVED FOR RELEASE: 07/19/2001

CIA-RDP86-00513R002064820020-7

APPROVED FOR RELEASE: 07/19/2001

CIA-RDP86-00513R002064820020-7"

ZHIVLYUK, Yu.N.

Properties and applications of the plane and conical "axicons."  
Trudy MFTI no.2:30-40 '58. (MIRA 11:12)  
(Optics)

ZHIVLYUK, YU. IV.

PHASE I BOOK EXPLOITATION

1127

Moscow. Fiziko-tekhmicheskii institut

Issledovaniya po fizike i radiotekhnike (Research in Physics and Radio Engineering) Moscow, Oborongiz, 1958. 132 p. (Series: Its Trudy, vyp. 2) 3,700 copies printed.

Ed.: Zaytseva, K.Ya., Engineer; Ed. of Publishing House: Gortsuyeva, N.A.;  
Tech. Ed.: Rozhin, V.P.; Managing Ed.: Zaymovskaya, A.S., Engineer.

PURPOSE: The book may be useful to scientific personnel, engineers, and students conducting research in physics and radio engineering.

COVERAGE: The book is a collection of 13 articles written by instructors and graduate and undergraduate students of the Moscow Institute of Physics and Technology. The articles discuss problems in radio physics, optics and physics. No personalities are mentioned. References appear at the end of each article.

TABLE OF CONTENTS:

Kozel, S.M., Candidate of Physical and Mathematical Sciences. Modulation Optical Interferometer for Measuring the Angle of a Light Beam

3

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Research in Physics (Cont.) 1127

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Sukharev, Ye.M., Repin, V.G. Linear-filter Correlator	47
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Card 2/3

Research in Physics (Cont.) 1127

- Voytsekhovskiy, B.V., Candidate of Technical Sciences. Investigating the Nature of the Wave Front of Spin Detonation 81
- Belokon', V.A. Properties of Uniform Shock Waves in Luminous Gas at  $M \rightarrow \infty$  92
- Nikitin, L.V. Elastic-Ductile-Plastic Shear Waves in a Circular Rod 108
- Kukudzhanov, V.N. Perpendicular Impact on a Plate by a Rotating Cylinder 115
- Bakut, P.A. Determining the Upper Limits of the Degree of Stability in Single-loop Systems With Derivative Action 123

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JP/sfm  
1-23-59

Card 3/3

ZHIVNIY, Karel [Zivny, Karel]; SHIROKIY, V.A. [translator]; VAYSFEL'D,  
I.N., red. [deceased]; KHITROVA, N.A., tekhn. red.

[Electric heating of trains] Elektricheskoe otoplenie zhelezno-  
dorozhnykh sostavov. Moskva, Vses. izdatel'sko-poligr. ob"edine-  
nie M-va soobshchenia, 1961. 54 p. (MIRA 15:2)  
(Czechoslovakia--Railroads--Cars--Heating and ventilation)

PARUSHKIN, M., red.; ZHIVNOVSKIY, V., inzh., spets. red.;  
CHERNORITSKIY, K., tekhn. red.

[Large panel house construction] Krupnopanel'noe domostro-  
enie; trudy. Krasnoiarsk, TSentr. biuro tekhn. informatsii.  
Krasnoiarskogo sovmarkhoza, 1962. 194 p. (MIRA 16:6)

1. Nauchno-tekhnicheskoye soveshchaniye, Krasnoyarsk, 1961.  
(Buildings, Prefabricated)



ZAMARENOV, A.K.; ZHIVODEROV, A.B.; VOLOZH, Yu.A.; TRAYNIN, L.P.

Tectonics of the western part of the Mugodshar Hills region and  
evaluation of the prospects for finding oil and gas in the subsalt  
Upper Paleozoic sediments. Sov. geol. 8 no.8:45-53 Ag '65.

(MIRA 18:10)

1. Institut geologii geofiziki Sibirskogo otdeleniya AN SSSR,  
Aktyubinskoye otdeleniye; Trest "Kazakhstanneftegeofizika",  
Aktyubinskaya geofizicheskaya ekspeditsiya.

L 42131-66 EWT(1)

CH/CD

SOURCE CODE: UR/0000/65/000/000/0142/0154

ACC NR: AT6028379

AUTHOR: Bachin, A. P.; Bekzhanov, G. R.; Brodovoy, V. V.; Gol'dshmidt, V. I.; Zhivoderov, A. B.; Zlavinov, L. Z.; Ivanov, O. D.; Klenchin, I. N.; Kolmogorov, Yu. A.; Kotlyarov, V. M.; Kuz'min, Yu. I.; Kuminova, M. V.; Kunin, N. Ya.; Lyubetskiy, V. G.; Melent'yev, M. I.; Morozov, M. D.; Tret'yakov, V. G.; Tychkova, T. V.; Tsaregradskiy, V. A.; Eydlin, R. A.

ORG: none

TITLE: Geophysical sketch map of Kazakhstan

SOURCE: International Geological Congress. 22d, New Delhi, 1964, Geologicheskkiye rezul'taty prikladnoy geofiziki (Geological results of applied geophysics); doklady sovetskikh geologov, problema 2. Moscow, Izd-vo Nedra, 1965, 142-154

TOPIC TAGS: ~~Kazakhstan~~ geophysics, map, ~~geophysical mapping~~, tectonics, ~~regional study~~

ABSTRACT: On the basis of regional geophysical and geological investigations (seismic, gravimetric, magnetoelectric), a composite geophysical sketch map of the physical fields of Kazakhstan has been compiled. From this map, the major tectonic zones, deep structures, and geological structural zones are defined. Long zones representing high field gradients in the gravitational and magnetic fields reflect deep geosutures, which seismic sounding data suggest are scarps in the M-discontinuity.

Card 1/2

...ural zones of Kazakhstan defined are: 1) the ... 2) the ... 3) the Uspenskaya, 4) the ... 5) the Dzhalair- ... Regions of magmatism are ... In the tectonic depression ... thickness of the sedimentary cover, overlying the ... possible oil-bearing formations. Orig. art. has: 1 figure. [DM]

APPROVED FOR RELEASE: 07/19/2001

CIA-RDP86-00513R002064820020-7

SUB CODE: 08/ SUBM DATE: 06Jan65/ ATD PRESS: 5063

Card 2/2 MLP

BANSHCHIKOV, V.M., prof., otv. red.; LEVANDOVSKIY, L.I., dots.,  
red.; ZHIVODEROV, N.N., red.; MINDLIN, Ya.S., red.

[Abstracts of reports of the scientific conference of  
graduate students and interns] Referaty dokladov nauch-  
noi konferentsii aspirantov i ordinatorov. Otv. red. V.M.  
Banshchikov. Moskva, Pt.2. 1962. 146 p.

(MIRA 17:9)

1. Moscow. Pervyy meditsinskiy institut.

ZHIVODEROV, N.N.

Seventh Congress of Czechoslovak Legal Medical Experts. Sud.-med.  
ekspert. 3 no.3:60-61 JI-S '60. (MIRA 13:9)  
(MEDICAL JURISPRUDENCE—CONGRESSES)

ZHIVODEROV, S. P.

Moscow Vet. Academy

"From the history of native veterinaro-sanitary inspection."

SO: Vet. 27 (11) 1950, p. 34 SEE ALSO: Vet. 27, No. 9, 59-60, Sept. 1950

ALIMOVA, Ye.K.; ZHIVODEROV, V.M.; ENDAKOVA, E.A.

Micromethod for quantitative determination of the higher  
fatty acids of serum. Vop.med.khim. 11 no.5:88-91 2-0 '65.  
(MIRA 19:1)

1. Kafedra biokhimii i fakul'tetskoy terapii Vladivostokskogo  
meditsinskogo instituta. Submitted June 2, 1964.

ZHIVODKOV, K. H.

25898

Diferetsialnaya diagnostika vidov polovoy okhoty kobyly. Veterinarniya, 1949. s. 44-47.

SO: Letopis' No. 34

MARKUS, G.A.; Prinimali uchastiye: ZHIVOGLAZOVA, L.Ye.; NIKITYINA, V.A.;  
AKIMOVA, N.V.; GOL'DINA, F.M.; SMIRNOVA, A.M.

New reagents based on products from the coal chemicals industry.

Koks i Khim. no.2:52-54 '63.

(MIRA 16:2)

1. Fenol'nyy zavod (for Markus).  
institut (for all, except Markus).  
(Coke industry By-products)
2. Ukrainskiy uglekhimicheskiy  
(Chemical tests and reagents)



*ZHIVOGLAZOVA, L. Ye.*  
AUTHORS: Zhdanov, Yu. A., Dorofeyenko, G. N. 20-6-19/47  
and Zhivoglazova, L. Ye.

TITLE: The Synthesis of Some Carbon-Carbon Derivatives of  
Carbohydrates (Sintez nekotorykh uglerod-uglerodnykh  
proizvodnykh uglevodov)

PERIODICAL: Doklady AN SSSR, 1957, Vol. 117, Nr 6, pp. 990-992 (USSR)

ABSTRACT: As described earlier (references 1 - 4) the organomagnesium  
method brought about good results in the synthesis of the  
above-mentioned derivatives of d-glucose, d-galactose, d-  
xylose and l-arabinose which contain various "aglucones". In  
the present work this method was employed for the production  
of some new compounds: phenyl-tetraacetyl-galactose, O-tolyl-  
triacyl-xylose, allyl-tetraacetyl-galactose and allyl-  
triacyl-arabinose. It was found that the acetylated allyl  
sugars are capable of adding a chloro-, bromo- and dirhodane-  
molecule at the double bond of the allyl residue. Haloid-  
derivatives of the already earlier synthesized phenyl-  
triacyl-xylose were also produced. Acetochlormonosaccharides  
which serve as initial products in the synthesis of the C--C  
derivatives of hydrocarbons were obtained due to the treatment

Card 1/2

The Synthesis of Some Carbon-Carbon Derivatives of  
Carbohydrates

20-6-19/47

of sugar acetates with phosphorus pentachloride and aluminum chloride in a chloroform solution. An experimental part with the description of the production methods of the following compounds is given:  $\beta$ -chloro-triacetyl-1-arabinose, di-bromo-phenetyl-triacetyl-xylose, di-chloro-phenetyl-triacetyl-xylose, dibromo-mallyl-triacetyl-xylose, di-bromo-mallyl-tetraacetyl-glucose, di-rhodane-allyl-tetraacetyl-glucose and di-rhodane-allyl-triacetyl-xylose beside some above-mentioned sugar derivatives together with constants. There are 8 references, 5 of which are Slavic.

ASSOCIATION: Rostov-na-Donu State University (Rostovskiy na-Donu gosudarstvennyy universitet)

PRESENTED: July 23, 1957, by A. I. Oparin, Academician.

SUBMITTED: July 23, 1957

AVAILABLE: Library of Congress

Card 2/2

ZHIVOGLYAD, P. [Zhyvohliad, P.]

Experience of the Krivoy Rog housing construction combine. Bud.  
mat.:i konstr. 4 no.6:7-11 N-D '62. (MIRA 15:12)

1. Glavnyy tekhnolog Krivorozhskogo domostroitel'nogo kombinata.  
(Krivoy Rog—Precast concrete construction)  
(Krivoy Rog—Apartment houses)

VOSKOBGYNIKOV, Vsevolod Ivanovich; ZHIVOGLYADOV, A.B., red.

[Name on the map; from the history of the geographical names of the Kamchatka Peninsula] Slovo na karte; iz istorii geograficheskikh nazvaniy Kamchatskogo poluostrova. Petropavlovsk, Knizhnaya red. "Kamchatskoi pravdy," 1962. 116 p. (MIRA 18:5)

ZHIVOGLYADOV, I.D.; LOTSMANOV, Yu.A.

Relation of chronic tonsillitis to erythema exudativum multiforme.  
Vest. oto-rin. 17 no.6:42-43 N-D '55. (MLRA 9:2)

1. Iz kliniki kozhnykh i venericheskikh bolezney (sav.---prof. A.S. Zenin) i kliniki ukha, gorla i nosa (sav. prof. B.N. Lukov) Kuybyshevskogo meditsinskogo instituta.

(ERYTHEMA MULTIFORME,

exudativum, relation to tonsillitis)

(TONSILLITIS, physiology,

relation to erythema exudativum).

ZHIVOGLYADOV, V.G.

One reduction method of the quadratic form to the canonical form.  
Trudy Fiz-mat.fak.Kir.un. no.2:111-117 '53. (MLRA 10:5)  
(Polynomials) (Matrices)

ZHIVOGLYADOV, V. G.

ZHIVOGLYADOV, V. G.--"On Certain Numerical Methods of Solving Systems of Linear Algebraic Equations, Their Adaptation to Other Calculations, and Errors Resulting from Rounding off in These Processes." Min Higher Education USSR. Kazan' State U imeni V. I. Ul'yanov-Lenin. Kazan', 1955. (Dissertation for the Degree of Candidate of Physicomathematical Sciences).

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AUTHOR: Kokovikhin, V. A.; Stikhin, V. N.; Zhivoglyadov, V. P.

ORG: none

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TITLE: On the theory of dual control

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TOPIC TAGS: automatic control theory, second order differential equation, differential equation solution, approximation method

ABSTRACT: Various pursuit problems are considered in the article. Methods for the solution of these problems, based on notions of dual-control theory, are proposed, and some experimental information is given. Bayesian strategy in the Fel'dman and Bellman formulation is studied, and the relation of the theory of approximation to the Bayesian principle is analyzed. In their computations, the authors have made a wide use of the optimality principle and the techniques of dynamic programming. A numerical example involving a second-order differential equation is solved, and there is a brief discussion of the work by V. P. Zhivoglyadov.

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